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(54) CHARACTERISTIC INFORMATION GENERATING
METHOD FOR SEMICONDUCTOR DEVICE
MOUNT MODULE, OPTICAL TRANSMITTER AND
LASER DIODE, AND OPTICAL TRANSMITTER

(57) Abstract:

PROBLEM TO BE SOLVED: To resolve defective extinction and delay in light emission due to difference between a temperature characteristic of a laser diode and a temperature characteristic of a circuit controlling the drive the laser diode.

SOLUTION: The optical transmitter 2 is provided with a nonvolatile storage means 43 storing characteristic information to decide a drive current of a laser diode 200 depending on a temperature and an object optical output. A control means 41 selects the characteristic information depending on the temperature and the object optical output from a nonvolatile storage means 43 to control a drive current supplied from a driver circuit 21 based thereon. Thus, the laser diode 200 is driven without extinction error and delay in light emission.

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